GATES & COOPER LLP

United States Patent Application

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD AND APPARATUS FOR BALANCING THE EMISSION CURRENT OF NEUTRALIZERS IN ION THRUSTER ARRAYS

a. 🛛 is attached hereto		•		
	b. was filed on as United States Application Number or PCT International Application Number and was amended on (if applicable), which I have reviewed and for which I solicit a United States patent.			
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.				
	to disclose information which is mate ederal Regulations, § 1.56 (attached h		nis application in accordance	
application(s) for patent one country other than		any PCT international application and have also identifie	cation which designated at least d below any foreign application	
	have been filed as follows:			
FOREIGN	APPLICATION(S), IF ANY, CLA	AIMING PRIORITY UN	DER 35 USC § 119	
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)	
OTHER FOREIGN	ADDITION OF ANY PIL	ED DEFORE THE DRI	IODITY ADDI ICATIONIC	
	APPLICATION(S), IF ANY, FIL			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)	
II .				

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or 365(c) of any PCT international application(s) designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose

The specification of which:

material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. PARENT APPLICATION OR PCT PARENT NUMBER	DATE OF FILING (day, month, year)	STATUS (patented, pending, abandoned)

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

U.S. PROVISIONAL APPLICATION NUMBER	DATE OF FILING (Day, Month, Year)	

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

George H. Gates	Registration No. 33,500
Victor G. Cooper	Registration No. 39,641
Karen S. Canady	Registration No. 39,927
William J. Wood	Registration No. 42,236
Jason S. Feldmar	Registration No. 39,187, and
Bradley K. Lortz	Registration No. 45,472

all of whom are attorneys with the law firm of Gates & Cooper LLP; and

Terje Gudmestad	Registration No. 32,232,
John R. Rafter	Registration No. 28,533,
Charles T. Silberberg	Registration No. 26,584,
Harry B. Field	Registration No. 27,880,
Henry G. Kohlmann	Registration No. 26,672,
Thomas W. Hennen	Registration No. 27,798,
William C. Anderson	Registration No. 28,147,
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John C. Hammar	Registration No. 29,928,
Ann K. Galbraith	Registration No. 33,530
David J. Clement	Registration No. 44,082
Robert L. Gullette	Registration No. 26,899, and
Bryan C. Ogden	Registration No. 25,362

all of whom are attorneys with The Boeing Company.

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Gates & Cooper LLP to the contrary.

Please direct all correspondence in this case to the firm of Gates & Cooper LLP at the address indicated below:

CUSTOMER NUMBER 22462

Gates & Cooper LLP Howard Hughes Center 6701 Center Drive West, Suite 1050 Los Angeles, CA 90045 (310) 641-8797

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

(1)	Full Name	Family Name	First Given Name	Second Given Name
	Of Inventor	Beattie	John	Robert
	Residence & Citizenship	City Westlake Village	State or Foreign Country California	Country of Citizenship USA
	Post Office Address	Post Office Address 1106 Finrod Court	City Westlake Village	State & Zip Code/Country California 91361/USA
Sig	nature of Invent	Date: 7-2-2003		
	Full Name	Family Name	First Given Name	Second Given Name
	Of Inventor	Soni	Prakash	C.
	Residence	City	State or Foreign Country	Country of Citizenship
	& Citizenship	Hawthorne	California	USA
	Post Office	Post Office Address	City	State & Zip Code/Country
	Address	5126 W. 134th Place	Hawthorne	California 90250/USA
Sig	Signature of Inventor(2):			Date:

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(1)	Full Name	Family Name	First Given Name	Second Given Name
	Of Inventor	Beattie	John	Robert
	Residence & Citizenship	City Westlake Village	State or Foreign Country California	Country of Citizenship USA
	Post Office	Post Office Address	City	State & Zip Code/Country
	Address	1106 Finrod Court	Westlake Village	California 91361/USA
Sig	Signature of Inventor(1):		Date:	
(2)	Full Name	Family Name	First Given Name	Second Given Name
	Of Inventor	Soni	Prakash	C.
	Residence	City	State or Foreign Country	Country of Citizenship
	& Citizenship	Hawthorne	California	USA
	Post Office	Post Office Address	City	State & Zip Code/Country
	Address	5126 W. 134th Place	Hawthome	California 90250/USA
Sig	Signature of Inventor(2):		Pour	Date: 07-01-03

§ 1.56 Duty to disclose information material to patentability.

- (a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office encourages applicants to carefully examine:
 - (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
 - (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
 - (1) it establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
 - (2) it refutes, or is inconsistent with, a position the applicant takes in:
 - (i) opposing an argument of unpatentability relied on by the Office, or
 - (ii) asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) each inventor named in the application:
 - (2) each attorney or agent who prepares or prosecutes the application; and
 - (3) every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.